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DATE: August 23, 2006

Application No. 10/829,436

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Examiner Shechtman:

Further to our 1:00 scheduled interview today, attached is the proposed claims we wish to discuss in view of the Ewan and Oki references.

We set up a conference call so at 1:00 can you please call toll free 1-866-542-9023 and enter code 8658248 to connect with me and the Canadian agent.

Thanks,

Ed Stemberger

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Listing of proposed claim amendments for discussion:**Claim 25 (Currently amended)**

A hydrogen energy system ~~for use off-board a vehicle~~ comprising:

- (a) a hydrogen generator for generating hydrogen by water electrolysis using electrical energy received from at least one source of electrical energy;
- (b) a hydrogen storage apparatus for storing at least some of the hydrogen generated by said hydrogen generator; and
- (c) a controller having a computer processor for receiving and processing control inputs including (i) data concerning the availability of said electrical energy for use by said hydrogen generator, (ii) data concerning the operating status of said hydrogen generator, (iii) data concerning the demand for hydrogen from one or more hydrogen users, said controller being operatively connected to said hydrogen generator for controlling the generation of hydrogen based at least in part upon said control inputs ~~including data concerning the availability of electrical energy for use by said hydrogen generator.~~

Claim 79 (Currently Amended)

A hydrogen energy system ~~for use off-board a vehicle~~ comprising:

- (a) a hydrogen generator for generating hydrogen by water electrolysis using electrical energy received from at least one electrical energy source;
- (b) a hydrogen storage apparatus for storing at least some of the hydrogen generated by said hydrogen generator;
- (c) a controller having a computer processor for receiving and processing control inputs including data concerning one or more demands for hydrogen by one or more hydrogen users, said controller being operatively connected to said hydrogen generator for controlling the generation of hydrogen based at least in

- 2 -

part upon said ~~control inputs including~~ data concerning one or more demands for hydrogen by one or more hydrogen users.

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